

EXISTING SUBSTANDARD RAILINGS WITH POOR PERFORMANCE RECORDS SHALL BE UPGRADED OR REPLACED. SEE AASHTO "GUIDE SPECIFICATIONS FOR BRIDGE RAILINGS" OR CONTACT BRIDGE DEVELOPMENT SECTION FOR FURTHER INFORMATION.

INCORPORATE EXISTING VERT. CURB REINF. STEEL INTO NEW PARAPET.

EXIST. SLAB THICK.

NOTE: LONGIT. CONST. JOINTS IN OVERLAY MAY BE USED. LOCATION TO BE DETERMINED BY THE ENGINEER.

REMOVE TO SOUND CONC.

1 1/2" MIN. CONC. OVERLAY

CROSS SECT. THRU RDWY.

(LOOKING)

CORRUGATED POLYETHYLENE DRAINAGE PIPE. WIRE SECURELY TO REINFORCEMENT. 1 OR 2 TRANSVERSE BARS MAY BE CUT & DEFLECTED TO PLACE PIPE. IF CUT, RESTORE TO ORIGINAL POSITION & SPLICE TO NEW NO. 5 SPLICE BAR BEFORE POURING OVERLAY.

2" MIN. LAP ALL AROUND

EXIST. REINF.

2" LAP TYP.

CROSS SECT.

LONGIT. SECT.

RUPTURED VOID REPAIR

CONCRETE MASONRY ANCHORS, TYPE S, NO. 5 BARS AT 1'-4" SPACING. MIN. PULLOUT LOAD = 16 KIPS. EMBED 5 1/2" IN CONCRETE.

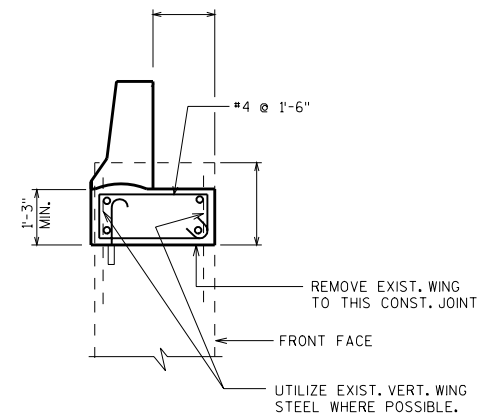
PRESERVE EXIST. VERT. RAIL POST & CURB BARS. INCORPORATE INTO NEW WORK. BEND AS NECESSARY TO PROVIDE 2" CLEAR COVER.

3/4"

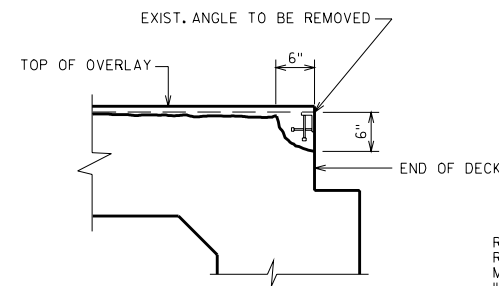
CONCRETE MASONRY ANCHORS, TYPE S, NO. 5 BARS, AT 8" SPACING. MIN. PULLOUT LOAD = 16 KIPS. EMBED 5 1/2" IN CONCRETE.

SECTION THRU PARAPET ON BRIDGE

UNDER THE BID ITEM "MASONRY ANCHORS TYPE S", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

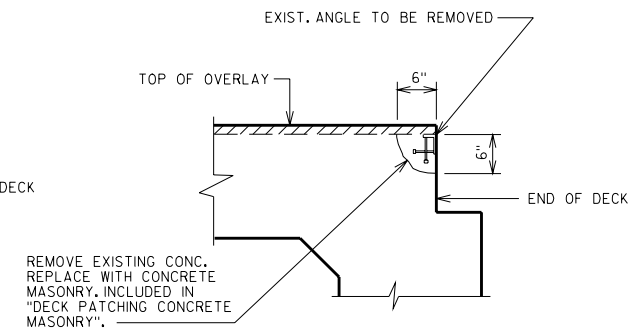


SECTION THRU PARAPET ON WING



SECTION AT END OF SLAB

CONCRETE OVERLAY



SECTION AT END OF SLAB

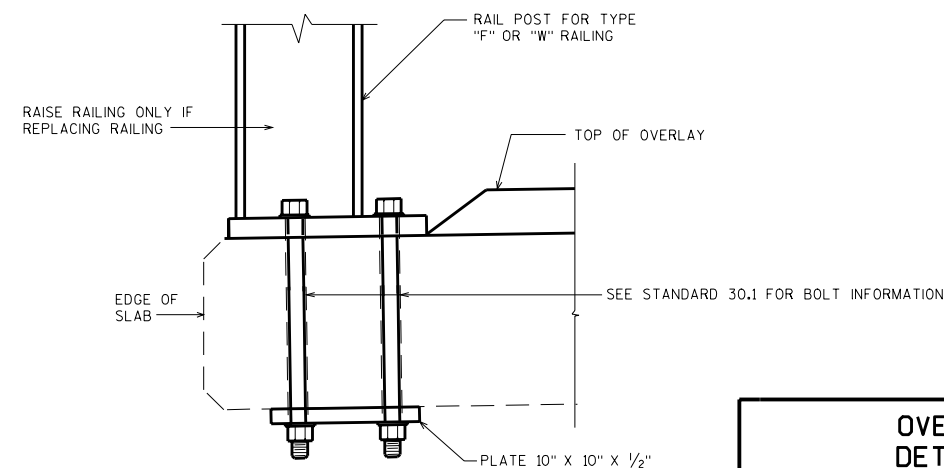
ASPHALTIC OVERLAY

PROVIDE 2" MIN. COVER

1" MIN. OR SOUND CONC.

UTILIZE EXIST. REINF.

CURB DETAIL



SECTION THRU RAILING

SHOWING ANCHORAGE IN SLAB

OVERLAY DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED: Stanley W. Woods

DATE:
6-04